

## **STIG Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/529,713

Source:

PCT

Date Processed by STIC:

4-6-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/529/713

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics  
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .5; this will prevent "wrapping."

2 Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 Misaligned Amino  
Numbering

The numbering under each 5' amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length

Sequence(s)        contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0  
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 Skipped Sequences  
(OLD RULES)

Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
(1) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)  
(11) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped

Please also adjust the "(11) NUMBER OF SEQUENCES" response to include the skipped sequences.

8 Skipped Sequences  
(NEW RULES)

Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
<210> sequence id number  
<200> sequence id number  
000

9 Use of n's or Xaa's  
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <21>  
Response

Per 1.823 of Sequence Rules, the only valid <21> responses are Unknown OR Artificial Sequence OR Scientific name (Genus/species). <220>-<223> section is required when <21> response is Unknown or Artificial Sequence.

11 Use of <220>

Sequence(s)        missing the <220> feature and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <21> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0  
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa

"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/529,713

DATE: 04/06/2005

TIME: 15:44:01

Input Set : A:\18201-003US1.txt

Output Set: N:\CRF4\04062005\J529713.raw

3 <110> APPLICANT: Yasuno, Hideyuki  
 4 Mori, Kazushige  
 6 <120> TITLE OF INVENTION: OLIGONUCLEOTIDE FOR GENOTYPING OF THYMIDYLATE SYNTHASE GENE  
 8 <130> FILE REFERENCE: 18201-003US1  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/529,713  
 C--> 10 <141> CURRENT FILING DATE: 2005-03-29  
 10 <150> PRIOR APPLICATION NUMBER: PCT/JP2002/10167  
 11 <151> PRIOR FILING DATE: 2002-09-30  
 13 <160> NUMBER OF SEQ ID NOS: 4  
 15 <170> SOFTWARE: PatentIn version 3.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 27  
 19 <212> TYPE: DNA  
 C--> 20 <213> ORGANISM: Artificial/Unknown  
 22 <220> FEATURE:  
 23 <221> NAME/KEY: misc\_feature  
 24 <222> LOCATION: ()..()  
 25 <223> OTHER INFORMATION: an artificially synthesized probe sequence  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: misc\_feature  
 30 <222> LOCATION: (1)..(1)  
 31 <223> OTHER INFORMATION: labeled with Red640  
 34 <400> SEQUENCE: 1  
 35 cttggcctgc ctccgtcccg ccgcgcc  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 50  
 40 <212> TYPE: DNA  
 C--> 41 <213> ORGANISM: Artificial/Unknown  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: misc\_feature  
 45 <222> LOCATION: ()..()  
 46 <223> OTHER INFORMATION: an artificially synthesized probe sequence  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: misc\_feature  
 51 <222> LOCATION: (50)..(50)  
 52 <223> OTHER INFORMATION: labeled with FITC  
 55 <400> SEQUENCE: 2  
 56 cgcggaagg gtcctgccac cgcgccatt ggctgcctc ggtcccgccg  
 59 <210> SEQ ID NO: 3  
 60 <211> LENGTH: 19  
 61 <212> TYPE: DNA  
 C--> 62 <213> ORGANISM: Artificial/Unknown  
 64 <220> FEATURE:

Invalid  
responseDoes Not Comply  
Corrected Diskette Needed  
(pg. 1-2)Invalid  
responseInvalid  
responseMandatory

27

<213> responses  
has to be  
either  
Artificial  
OR

50

Unknown  
OR  
Genus/  
Species.

## RAW SEQUENCE LISTING

DATE: 04/06/2005

PATENT APPLICATION: US/10/529,713

TIME: 15:44:01

Input Set : A:\18201-003US1.txt

Output Set: N:\CRF4\04062005\J529713.raw

65 <221> NAME/KEY: misc\_feature  
66 <222> LOCATION: ()..()  
67 <223> OTHER INFORMATION: an artificially synthesized primer sequence  
70 <400> SEQUENCE: 3  
71 gtggctcctg cgtttcccc 19  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 20  
76 <212> TYPE: DNA  
C--> 77 <213> ORGANISM: Artificial/Unknown  
79 <220> FEATURE:  
80 <221> NAME/KEY: misc\_feature  
81 <222> LOCATION: ()..()  
82 <223> OTHER INFORMATION: an artificially synthesized primer sequence  
85 <400> SEQUENCE: 4  
86 tccgagccgg ccacagggcat 20

Invalid  
Response

↑ See item # 10  
on error summary  
sheet.

**VERIFICATION SUMMARY**

DATE: 04/06/2005

PATENT APPLICATION: US/10/529,713

TIME: 15:44:02

Input Set : A:\18201-003US1.txt

Output Set: N:\CRF4\04062005\J529713.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:20 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1 /  
L:41 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2 /  
L:62 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3 /  
L:77 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4 /